

# Central Region Review



## U.S. Army Environmental Center Central Regional Office Kansas City, Missouri



★ AUGUST 2006 ★

★ REGIONS 6 & 7 ★

The *CENTRAL REGION REVIEW* provides current information on significant federal and state legislative and regulatory developments in federal Regions 6 and 7. Versar, Inc., in support of the Central Regional Environmental Office (CREO), prepares the *REVIEW* to assist you in your compliance efforts. Current and past issues of the *REVIEW*, as well as regional updates and alerts, are available on the Internet at <http://aec.army.mil/usaec/reo/creo00.html>. Please e-mail [CREO.regulatory.specialist@nwk02.usace.army.mil](mailto:CREO.regulatory.specialist@nwk02.usace.army.mil) or call (816) 389-3327 if you have any questions or suggestions, or if you would like to subscribe to the *REVIEW*.

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### CENTRAL REGIONAL ENVIRONMENTAL OFFICE AND REC DIRECTORY

#### CREO Chief/DoD Region 7 REC:

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<b>Army Region 6 REC</b>	(816) 389-3450
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**Assistance in Environmental Regulations Impact.** In the past, CREO has successfully assisted installations in moderating environmental regulations that affect current operations. If you need assistance in this regard, please contact the CREO Chief/ DoD Region 7 REC at (816) 389-3449 or Regional Counsel at (816) 389-3448. CREO stands ready to assist you in resolving these types of issues.

**EPA Announcement: A Regulation Concerning “De Minimis PM<sub>2.5</sub> Non-attainment.”** The Army has 21 installations directly affected by this rule because they are in PM<sub>2.5</sub> non-attainment areas. AEC and CREO can help installations determine their attainment status for PM<sub>2.5</sub> by assisting installations in evaluating impacts on a case-by-case basis. CREO's Regional Counsel has specific expertise in Air Quality and related matters. For assistance, please call (816) 389-3448.

**AELC Call for Army Environmental Legislative Proposals.** The US Army prepares and submits to the Office of the Secretary of Defense (OSD) proposals to address a wide variety of issues, including environmental, for subsequent submittal to OMB and to the Congress. In late 2002, the **Army Environmental Legislative Committee (AELC)** was

established to, among other things, streamline the process for the Army's development of environmental and related legislative proposals for submittal to OSD.

**AELC** continuously solicits input for environmental legislative concepts/proposals for the Defense Authorization and Appropriations Bills. **AELC** then selects environmental concepts that the Army would like to pursue. Technical and legal support is provided to ensure that each concept is developed into a format consistent with DoD guidance for the submittal of legislative proposals. Submissions should be coordinated through your chain of command to your organization's **AELC** point of contact. More information can be obtained from the **US Army Environmental Center** at (410) 436-1220. **USAEC** serves as secretary and provides staff support to **AELC**.

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## REGION 6 STATE ACTIVITY

### Regulatory & Legislative Web Sites

Arkansas Department of Environmental Quality (ADEQ)	<a href="http://www.adeq.state.ar.us">http://www.adeq.state.ar.us</a>
Arkansas General Assembly	<a href="http://www.arkleg.state.ar.us/">http://www.arkleg.state.ar.us/</a>
Louisiana Department of Environmental Quality (LDEQ)	<a href="http://www.deq.state.la.us">http://www.deq.state.la.us</a>
Louisiana Legislature	<a href="http://www.legis.state.la.us/">http://www.legis.state.la.us/</a>
New Mexico Environment Department (NMED)	<a href="http://www.nmenv.state.nm.us/">http://www.nmenv.state.nm.us/</a>
New Mexico Legislature	<a href="http://legis.state.nm.us/">http://legis.state.nm.us/</a>
Oklahoma Department of Environmental Quality (ODEQ)	<a href="http://www.deq.state.ok.us">http://www.deq.state.ok.us</a>
Oklahoma Legislature	<a href="http://www.lsb.state.ok.us/">http://www.lsb.state.ok.us/</a>
Texas Commission on Environmental Quality (TCEQ)	<a href="http://www.tnrcc.state.tx.us">http://www.tnrcc.state.tx.us</a>
Texas Legislature	<a href="http://www.capitol.state.tx.us/">http://www.capitol.state.tx.us/</a>

## ARKANSAS

## Legislative/Regulatory Activity

**NOTICE:** With regard to any regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The Arkansas legislature is **not** in session for 2006.

## REGULATORY ACTIVITY AND GENERAL INFORMATION

(UPDATE) **AR Department of Environmental Quality Departmental Discussion: Amendments to Solid Waste Regulations Regarding E-Waste.** ADEQ is discussing amendments to its hazardous waste regulations regarding electronic waste (E-waste) that include a recycling program. Staff reports that the program is not likely to include mandatory take-backs because they are very early in the process and are still discussing regulatory options and working with the Solid Waste districts to gather information and feedback about the variety of options continue. However, that the ban on E-waste in landfills nonetheless will likely take place in January 2008. Additional information regarding the voluntary e-waste initiative currently in place may be found at [http://www.adeq.state.ar.us/solwaste/branch\\_recycling/pdfs/electronic\\_waste\\_03.pdf](http://www.adeq.state.ar.us/solwaste/branch_recycling/pdfs/electronic_waste_03.pdf). For more information, please call Kevin T. Harris at (510) 682-0609.

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**NOTICE:** With regard to any and all legislation and or regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The Louisiana legislature adjourned *sine die* on 19 June 2006. The bills listed below were presented in the Review but “died upon adjournment.”

**H.B. 1155 - Wetlands**

**H.B. 1348 - Cleanup, Land Use, Natural Resource Damages, Voluntary Remediation**

**S.B. 172 - Transportation Safety/Waste/Restrictions**

### STATE OF LOUISIANA FINAL RULE

**(Effective 25 July 2006) LA Department of Environmental Quality Final Regulations: Discharge Monitoring Report (DMR) Completion Requirement (WQ065) (LAC 33:IX.2701).** LDEQ adopted amendments to its Discharge Monitoring Report (DMR) requirements that are part of the Louisiana Pollutant Discharge Elimination System. The amendments require DMRs to be complete before submittal. An incomplete DMR submittal is a violation of the regulations. The final amendments were published in the 20 July 2006 Louisiana Register with an effective date of 25 July 2006. The final regulations are available at <http://www.doa.louisiana.gov/osr/reg/0607/0607RUL.pdf> (Page 1220). For additional information, please call Joette Kennedy at (225) 219-3550.

**CREO Comment:** LDEQ adopted this rule to eliminate a very large number of DMRs. The Department says that it will issue Notices of Violation (NOVs) to habitual offenders and to those who submit reports with serious errors such as omitting permit numbers and failure to sign the report. However, LDEQ will not issue NOVs for simple mistakes.

### STATE OF LOUISIANA PROPOSED RULE

**(NEW) LA Department of Environmental Quality Proposed Regulations: Environmental Quality Regulations - Cleanup Package (OS070) (LAC 33:I.705 and 909.)** The Department is proposing amendments to its environmental quality regulations addressing cleanup standards. These amendments involve clarification in language and correction of several minor mistakes and omissions. The revisions include the penalty determination method under the administrative procedures, permit procedures for the prevention of significant deterioration, treatment standards for hazardous wastes (including injection restrictions), amendments to the groundwater monitoring list, testing requirements for organic toxic pollutants by industry category, underground storage tank registration requirements, and schedules for licensing radioactive materials. A public hearing will be held on 24 August 2006. Comments are due 31 August 2006. The proposed amendments are available at <http://www.doa.louisiana.gov/osr/reg/0607/0607NOI.pdf> (Page 1273). For additional information, please call Judith Schuerman at (225) 219-3550.

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**NOTICE:** With regard to any regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The New Mexico legislature adjourned *sine die* on 16 February 2006.

### STATE OF NEW MEXICO FINAL RULE

**(Effective 16 July 2006) NM Environment Department Final Regulation: Amendments to Ground and Surface Water Protection Regulations (20.6.2 NMAC).** NMED adopted amendments to its ground and

surface water protection regulations that change the regulations in accordance with recent revisions to the Water Quality Act (NMSA 1978, Section 74-6-5). The amendments eliminate *de novo* hearings to the Water Quality Control Commission and provide for review by the Commission based on the public hearing record. The Board approved the amendments with an effective date of 16 July 2006. A copy of the final amendments is available at <http://www.nmcpr.state.nm.us/nmregister/xvii/xvii12/20.6.2amend.pdf>. For additional information, please contact Barbara Claire at (505) 827-2425.

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## OKLAHOMA

## Legislative/Regulatory Activity

**NOTICE:** With regard to any and all legislation and or regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The Oklahoma legislature adjourned *sine die* on 26 May 2006 but continued in special session until 23 June 2006.

There were no relevant legislative or regulatory items this reporting period.

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## TEXAS

## Legislative/Regulatory Activity

**NOTICE:** With regard to any or regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The Texas legislature is **not** in general session for 2006.

### STATE OF TEXAS FINAL RULES

**(Effective 3 August 2006) TX Commission on Environmental Quality Final Regulations: H.B. 2793-Universal Waste Designation for Mercury-Containing Equipment (2005-072-335-AS).** TCEQ adopted regulations that incorporate by reference the EPA rule that adds mercury-containing equipment to the list of universal waste and implementation of H.B. 2793. The proposed rule incorporates streamlined standards for storage, labeling, and marking, preparing mercury-containing equipment (MCE) waste for shipment off-site, employee training, response to releases, and notification. The rules were approved on 12 July 2006 with effective date of 3 August 2006. The final regulations are available at [http://www.tceq.state.tx.us/assets/public/legal/rules/rule\\_lib/adoptions/05072335\\_ado\\_clean.pdf](http://www.tceq.state.tx.us/assets/public/legal/rules/rule_lib/adoptions/05072335_ado_clean.pdf). For more information, please call Michael Lindner at (512) 239-3045.

**(Effective 3 August 2006) TX Commission on Environmental Quality Final Regulations: Mercury Air Emissions Regulations to Implement the Clean Air Mercury Rule (2005-047-101-EN).** TCEQ finalized regulations for mercury air emissions to implement the Clean Air Mercury Rule (CAMR). Texas Administrative Code 30, Chapter 101, General Air Quality Rules, Subchapter H is revised to include new divisions implementing the requirements of H.B. 2481 by incorporating CAMR by reference. Subchapter E now includes new divisions implementing the requirements of H.B. 2481 by incorporating CAMR by reference. The rules apply to stationary, coal-fired boilers or coal-fired combustion turbines serving a generator with a nameplate capacity of more than 25 megawatts of electricity (MWe) and producing electricity for sale. The final rules also apply to cogeneration units serving a generator with a nameplate capacity of more than 25 MWe and supplying in any calendar year more than one-third of the unit's potential electric output capacity or 219,000 megawatt-hours, whichever is greater, to any utility power distribution system for sale. The rules were approved on 12 July 2006 with effective date of 3 August 2006. The final regulations are available at [http://www.tceq.state.tx.us/assets/public/legal/rules/rule\\_lib/adoptions/05047101\\_ado\\_clean.pdf](http://www.tceq.state.tx.us/assets/public/legal/rules/rule_lib/adoptions/05047101_ado_clean.pdf). For more information, please call Kim Herndon at (512) 239-1421.

**(Effective 3 August 2006) TX Commission on Environmental Final Regulations: Nitrogen Oxide and Sulfur Oxide Emissions Regulations Implementing the Clean Air Interstate Rule (2005-046-101-EN) (Chapters 101 and 122).** The Commission adopted amendments to address nitrogen oxide (NO<sub>x</sub>) and sulfur oxide (SO<sub>x</sub>) emissions to implement EPA's Clean Air Interstate Rule (CAIR). Texas Administrative Code 101, the General Air Quality Rules (Subchapter H) is revised to include new divisions implementing the requirements of H.B. 2481 by incorporating CAIR by reference. Specifically, H.B. 2481 mandated a methodology for the allocation of NO<sub>x</sub> that deviates from the model allocation method in the federal rule. Subchapter E is revised to include a new division to implement the requirements of H.B. 2481 by incorporating the CAIR by reference. The rulemaking also amends Chapter 122 to incorporate the permitting requirements for CAIR and the Clean Air Mercury Rule (CAMR) by reference. The CAIR and CAMR permits establish federal enforceability of the CAIR and CAMR trading programs by listing all applicable requirements of the trading programs applicable to each CAIR and CAMR unit at the source. The rules were approved on 12 July 2006 with effective date of 3 August 2006. The final rules are available at [http://www.tceq.state.tx.us/assets/public/legal/rules/rule\\_lib/adoptions/05046101\\_ado\\_clean.pdf](http://www.tceq.state.tx.us/assets/public/legal/rules/rule_lib/adoptions/05046101_ado_clean.pdf) and [http://www.tceq.state.tx.us/assets/public/legal/rules/rule\\_lib/adoptions/05046122\\_ado\\_clean.pdf](http://www.tceq.state.tx.us/assets/public/legal/rules/rule_lib/adoptions/05046122_ado_clean.pdf). For more information, please call Kim Herndon at (512) 239-1421.

**(Effective 19 July 2006) TX Commission on Environmental Quality Final Regulations: Outdoor Burning Regulations (2005-041-111-CE).** TCEQ finalized regulations that allow property owners to burn trees, brush, limbs, and other vegetative matter. The new rules require different Commission authorization for the burning of waste consisting of plant growth in areas that meet national ambient air quality standards (NAAQS) than areas that do not meet NAAQS. The regulations were approved on 28 June 2006 with an effective date of 19 July 2006. The final regulations are available at [http://www.tceq.state.tx.us/assets/public/legal/rules/rule\\_lib/adoptions/05041111\\_ado\\_clean.pdf](http://www.tceq.state.tx.us/assets/public/legal/rules/rule_lib/adoptions/05041111_ado_clean.pdf). For more information, please call Ronnie Kramer at (512) 239-0194.

**CREO Comment:** These regulations do not affect the Texas prescribed burning procedures.

## **STATE OF TEXAS PROPOSED RULES**

**(NEW) TX Commission on Environmental Quality Proposed Regulations: DFW VOC RACT Update, 2006-011-115-EN.** The Commission is proposing amendments to its air pollution regulations regarding volatile organic compounds (VOCs). The amendments would subject owners or operators of certain VOC-emitting facilities located in Ellis, Johnson, Kaufman, Parker, and Rockwall Counties to the same control, monitoring, testing, recordkeeping and reporting requirements to which owners or operators of facilities in the other four counties in the Dallas Fort Worth (DFW) non-attainment area are subject. Two public hearings will be held on 8 August 2006. Comments are due 14 August 2006. The proposed amendments are available at [http://www.tceq.state.tx.us/assets/public/legal/rules/rule\\_lib/proposals/06011115\\_pro\\_clean.pdf](http://www.tceq.state.tx.us/assets/public/legal/rules/rule_lib/proposals/06011115_pro_clean.pdf). For more information, please call Teresa Hurley at (512) 239-5316.

**(UPDATE) TX Commission on Environmental Quality Proposed Amendments Withdrawn: Control of Air Pollution by Permits for New Construction or Modification (MSS).** TCEQ has **withdrawn** proposed amendments authorizing all types of normal operations (production, Maintenance Service and Shutdown (MSS), and certain quantifiable, anticipated (QUAN) emissions) under this chapter and 30 TAC Chapter 106, Permits by Rule. Because the Commission failed to adopt the proposal within six months of publication, the amendments were withdrawn in the 21 July 2006 Texas Register. The withdrawn amendments can be found at [http://www.tceq.state.tx.us/assets/public/legal/rules/rule\\_lib/proposals/05016106\\_proCLEAN.pdf](http://www.tceq.state.tx.us/assets/public/legal/rules/rule_lib/proposals/05016106_proCLEAN.pdf). For more information, please call Blake Stewart at (512) 239-6931

## **OTHER REGULATORY ACTIVITY AND GENERAL INFORMATION**

**Announcement: TX Commission on Environmental Quality Edwards Aquifer Stake Holder Meeting.** The following is provided as an Environmental Notice for Texas Commission on Environmental Quality (TCEQ) stakeholder meetings regarding penalty calculations for certain Edwards Aquifer violations and the plan review process for EA Pollution Abatement Plans: The Texas Commission on Environmental Quality's (TCEQ) Office of Compliance and Enforcement (OCE) proposes to conduct stakeholder meetings in August 2006 to discuss the TCEQ's new *Streamlined Edwards Aquifer Pollution Abatement Plan Review Process and Enforcement's Administrative Penalty Policy Calculation Methodology* for certain Edwards Aquifer violations. The meetings will be



held at the following times and locations: **Thursday, 10 August 2006, 7:00 p.m.** at the Lower Colorado River Authority, Dalchau Service Center, 3505 Montopolis Drive, Building A, Rooms A504-A505, **Austin, Texas**; and **Thursday, 17 August 2006, 7:00 p.m.** at the City of San Antonio, DBSC Training Rooms A&B, 1901 S. Alamo, **San Antonio, Texas**. Persons with disabilities who have special communication or other accommodation needs who are planning to attend the meeting should contact the Office of Public Assistance at (512) 239-4000. Requests should be made as far in advance as possible. For further information or questions concerning these meetings, please call (512) 239-4127.

**CREO Comment:** Military installations in the Edwards Aquifer zone may wish to attend this meeting to determine potential impacts.

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## REGION 7 STATE ACTIVITY

### Regulatory & Legislative Web Sites

Iowa Department of Natural Resources (IDNR)	<a href="http://www.state.ia.us/dnr/">http://www.state.ia.us/dnr/</a>
Iowa General Assembly	<a href="http://www.legis.state.ia.us/">http://www.legis.state.ia.us/</a>
Kansas Department of Health and Environment (KDHE)	<a href="http://www.kdhe.state.ks.us">http://www.kdhe.state.ks.us</a>
Kansas Legislature	<a href="http://www.kslegislature.org/cgi-bin/index.cgi">http://www.kslegislature.org/cgi-bin/index.cgi</a>
Missouri Department of Natural Resources (MDNR)	<a href="http://www.dnr.state.mo.us/homednr.htm">http://www.dnr.state.mo.us/homednr.htm</a>
Missouri General Assembly	<a href="http://www.moga.state.mo.us/">http://www.moga.state.mo.us/</a>
Nebraska Department of Environmental Quality (NDEQ)	<a href="http://www.deq.state.ne.us">http://www.deq.state.ne.us</a>
Nebraska Legislature	<a href="http://www.unicam.state.ne.us/">http://www.unicam.state.ne.us/</a>

**EPA Expertise Now Available to Conduct Environmental Management Systems/Environmental Management Reviews and Compliance Assistance.** Now that all Federal Facilities are expected to have their Environmental Management System (EMS) in place, EPA Region 7's EMS/EMR expert is available to conduct Environmental Management Reviews at your facility except your time. EPA's expert will review your EMS and offer suggestions in areas that might be improved. EPA has conducted many EMS and EMR review and training sessions, and can likely suggest some enhancements or changes to your processes. EPA has allocated time and money in their budget for FY07 to come to two or three sites within Region 7 to work with you. EPA's Program emphasis for FY07 also includes providing Compliance Assistance at EPA is also looking for candidate Federal Labs and Federal sites with USTs, NPDES Wastewater and/or Stormwater issues to provide Compliance Assistance. These offers are on a first come, first serve basis. These reviews will take place sometime after 1 October 2006. *For more information, please call 913-551-7618.*

## IOWA

## Legislative/Regulatory Activity

**NOTICE:** With regard to any and all legislation and or regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The Iowa legislature adjourned *sine die* on 5 May 2006.

### STATE OF IOWA FINAL RULES

**(Effective 23 August 2006) IA Department of Natural Resources Final Rule: Implementation of Uniform Environmental Covenants Act (567 IAC 135).** IDNR finalized regulations to implement the state's Uniform Environmental Covenants Act that creates a real estate instrument for use by owners of leaking underground storage tank (LUST) property that the IDNR and other state/federal agencies can use to restrict land use activities and manage the risk of future exposure to contaminants. Specifically, the regulations (1) remove prior references to "restrictive covenants"; (2) set out the minimum requirements that must be included in all environmental covenants used as institutional controls at LUST sites regulated by IDNR; (3) require the environmental covenant to be drafted in accordance with a model form developed and approved by the Department; (4) identify general subject areas which may be negotiated between the IDNR and other signatories on a case-by-case basis; and (5) describe the procedure

and minimum supporting information that must be provided to the Department to review, approve, and sign the covenant. IDNR is also including a model environmental covenant for public comment as part of its proposed rulemaking, although the model form would not be a rule. The rule was adopted 19 June 2006, and becomes effective 23 August 2006. A copy of the final rule can be found here, at page ARC 5245B: <http://www.legis.state.ia.us/Rules/Current/Bulletin/IAB060719.htm>. For more details, please call David Wornson at (515) 242-5817.

**(Effective 23 August 2006) Department of Natural Resources Final Rule: Incorporation of Various Federal Air Quality Regulations Finalized Over 2005 (567 IAC 22, 23).** IDNR adopted several federal air quality regulations finalized over the course of 2005 into the state air quality rules, and makes one clarification with respect to construction permit exemptions. The changes include: (1) clarifying the construction permit exemption for laundry activities; (2) adopting EPA's preferred guidelines air dispersion model, AERMOD; (3) amending the Title V program definitions to add the federal definition of "area source"; (4) amending the Title V program definitions to delete methyl ethyl ketone from the list of air pollutants; (5) amending the rules to better organize the rules that specify which sources are required to obtain Title V operating permits; (6) adding clarity to the requirements for non-major sources to obtain a Title V Operating Permit; (7) removing the provisions for Title V exempt sources that elect to apply for a Title V operating permit; (8) amending the Title V program rules to list sources that are now permanently exempt from the requirement to obtain a Title V Operating Permit; (9) amending the rules to adopt recent federal amendments to the new source performance standards (NSPS), specifically with respect to the EPA's rule amending NSPS for steel plants by adding alternative requirements for monitoring emissions from furnace exhausts; (10) amending the rules to adopt a new NSPS for Other Solid Waste Incineration (OSWI) units; (11) adopting federal changes to the national emission standards for hazardous air pollutants for source categories (NESHAPS), including the removal of methyl ethyl ketone from the list of hazardous air pollutants, exemption of certain area source categories from the requirement to obtain a Title V Operating Permit, and the retention of the health-based compliance alternatives contained in final rules for Industrial, Commercial, and Institutional Boilers and Process Heaters; and (12) adopting federal changes to the NESHAP for hazardous waste combustors to add hazardous waste solid fuel boilers, hazardous waste liquid fuel boilers, and hazardous waste hydraulic acid production furnaces to the list of subject sources. The rule was adopted 28 June 2006, and becomes effective 23 August 2006. A copy of the final rule can be found here, at page ARC 5246B: <http://www.legis.state.ia.us/Rules/Current/Bulletin/IAB060719.htm>. For additional information, please contact Christine Paulson at (515) 242-5154.

**(Effective 23 August 2006) IA Department of Natural Resources Final Rule: Additional Fee Structure for Wastewater Permits (567 IAC 64).** IDNR finalized the addition of a fee structure for wastewater permits. In addition to application fees and permit fees already in place for operation of a wastewater disposal system, the Department now requires certain individual facilities to submit annual fees, or a multi-year permit fee, depending on the facility. Affected operations would include: (1) storm water discharge associated with industrial activity; (2) storm water discharges from municipal separate storm sewer systems; (3) construction permits; (4) non-storm water permits; (5) major municipal facilities; (6) minor municipal facilities; (7) semipublic facilities; (8) facilities holding an operation permit; (9) major industrial facilities; (10) minor industrial facilities; (11) open feedlot animal feeding operations; and (12) confinement animal feeding operations. Moreover, new facilities not currently holding a non-stormwater permit would have to pay a prorated amount thirty days after the new permit is issued, while facilities covered under an existing non-stormwater permit would have to pay a prorated amount thirty days after this rule would become effective. The rule was adopted 28 June 2006, and becomes effective 23 August 2006. A copy of the final rule can be found here, at ARC 5244B: <http://www.legis.state.ia.us/Rules/Current/Bulletin/IAB060719.htm>. For additional information, please contact Courtney Cswercko at (515) 281-7206.

## **STATE OF IOWA PROPOSED RULE**

**(NEW) IA Department of Natural Resources Draft Rule: Mercury Switch Recovery from End-of-Life Vehicles (567 IAC 124).** The Department has drafted a rule concerning mercury switch recovery from end-of-life vehicles. The rulemaking is in response to the state's passage of the Mercury Free Recycling Act in the 2006 session. The draft rule creates a collection, recovery, and incentive program for mercury-added switches removed from vehicles in Iowa. The language of the draft rule is taken directly from the legislation. The Department will ask the Environmental Protection Commission (EPC) at its 08/15/06 meeting to approve the draft rule for future publication of notice and comment. A copy of the draft rule can be found at <http://www.iowadnr.com/epc/06jul/14.pdf>. For more information, please call Theresa Stiner at (515) 281-8646.

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## KANSAS

## Legislative/Regulatory Activity

**NOTICE:** With regard to any and all legislation and or regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The Kansas legislature adjourned *sine die* 25 May 2006.

### STATE OF KANSAS PROPOSED RULE

**(NEW) KS Water Authority Proposed Rule: Incorporation of Nutrient Reduction Plan and Wetland Riparian Area Protection Strategy into State Water Plan.** The Kansas Water Plan is proposing to incorporate the Kansas Department of Health and Environment's Nutrient Reduction Plan into the Water Quality Policy Section. The Plan also proposed to incorporate the Department's wetland riparian area protection strategy. A public meeting was held 6 July 2006, and comments were due 17 July 2006. The proposed plan amendments can be found at [http://www.kwo.org/Kansas%20Water%20Plan/Rpt\\_wq\\_policy\\_WORKING%20DRAFT\\_060506\\_twl.htm](http://www.kwo.org/Kansas%20Water%20Plan/Rpt_wq_policy_WORKING%20DRAFT_060506_twl.htm). For more details, please call Kerry Wedel at (785) 296-3185.

### OTHER REGULATORY ACTIVITY AND GENERAL INFORMATION

**(UPDATE) KS Department of Health and Environment Departmental Discussion: Electronic Waste Program.** KDHE is considering a rulemaking to create an electronic waste (e-waste) program. Department staff indicates that the program could consist of the administration of grants to local communities to the purpose of creating e-waste recycling options. Currently, all e-waste in the state goes to solid waste landfills. KDHE convened a stakeholder workgroup meeting 21 June 2006 to discuss ideas for possible regulations to encourage recycling, including measures to address electronic waste. However, KDHE has since indicated that no regulatory or legislative initiatives on e-waste emerged from the meeting, and that the entire issue of e-waste is on hold indefinitely, at least until after the Kansas elections. For additional information, please contact Rebecca Winner at (785) 296-1604.

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## MISSOURI

## Legislative/Regulatory Activity

**NOTICE:** With regard to any and all legislation and or regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The Missouri legislature adjourned *sine die* on 26 May 2006.

### STATE OF MISSOURI LEGISLATION ENACTED

**(Effective 1 September 2006) Missouri S.B. 583 – (Vehicle) Inspection and Maintenance Programs.** This measure revises the state auto emissions inspection program and creates a decentralized emissions inspection program whereby motor vehicle safety inspection stations and other entities will conduct emissions inspection if certified by the Air Conservation Commission. The new decentralized emissions program applies consistently throughout the city of St. Louis, St. Louis County, St. Charles County, Jefferson County, and Franklin County. S.B. 583 states that prior to September 2007 implementation of the decentralized system, the Commission shall develop a decentralized emissions inspection program that allows official emissions inspection stations to conduct on-board diagnostic testing on 1996 and newer vehicles. Governor Matt Blunt (R) signed S.B. 583 on 30 June 2006 with an effective date of 1 September 2006. For more details, please go to <http://www.senate.mo.gov/06info/pdf-bill/tat/SB583.pdf>. Sponsor: Senator John Griesheimer (R)



**(Effective 28 August 2006) Missouri S.B. 809 - Land Use.** S.B. 809 stipulates that any city, town, or village that is granted zoning powers under this bill and is located within a county that has adopted zoning regulations under chapter 64, RSMo, may enact an ordinance to adopt the zoning regulations of such county in lieu of adopting its own zoning regulations. Governor Matt Blunt (R) signed this measure on 9 June 2006 with an effective date of 28 August 2006. For more details, please go to <http://www.senate.mo.gov/06info/pdf-bill/tat/SB809.pdf>. Sponsor: Senator Chuck Graham (D)

**(Effective 28 August 2006) Missouri S.B. 1165 - Water Quality.** S.B. 1165 extends the fees imposed under the water pollution statutes until 31 December 2009 and directs the creation of a joint committee that shall consider proposals for restructuring certain fees, as well as the state's implementation of the federal clean water program. It also instructs the committee to submit a report no later than 31 December 2008. Governor Matt Blunt (R) signed S.B. 583 on 12 July 2006 with an effective date of 28 August 2006. The bill text is available at <http://www.senate.mo.gov/06info/pdf-bill/tat/SB1165.pdf>. Sponsor: Senator David Klindt (R)

## **REGULATORY ACTIVITY AND GENERAL INFORMATION**

**(UPDATE) MO Department of Natural Resources Departmental Discussion: Electronic Waste (E-Waste) Rulemaking.** The Department is discussing amending the hazardous waste regulations to address Electronic waste (E-waste). The Department has organized a stakeholder workgroup to discuss regulatory and legislative alternatives. The stakeholders were divided into three workgroups on specific topics and will report the results at the 16 August 2006 stakeholder meeting. A meeting is also scheduled for 25 October 2006. Additional information regarding the stakeholder group is available at <http://www.dnr.mo.gov/alpd/hwp/ewaste/workgroup.htm>. For additional information, please contact Michael Menneke at (573) 751-9189.

**(Effective 10 August 2006) EPA Approval and Promulgation of State Implementation Plans and Operating Permits Program; Missouri.** EPA is taking final action on Missouri's request to incorporate two new rules and three revised rules into the State Implementation Plan (SIP) and Part 70 Operating Permit program. All of the rules pertain to Missouri's air permits program. Because of the state's request for approval of portions of the rules, EPA is not taking final action on all of the state-adopted rules. They are approving revisions to the Construction Permits Required rule and conditionally approving portions of the Construction Permits Required rule, which reference the Construction Permits by Rule. EPA is approving the Construction Permit Exemptions rule, except for the livestock markets and livestock operations exemption and is conditionally approving the Construction Permits By Rule except for the livestock markets and livestock operations exemption. This rule is effective on 10 August 2006. For more information, please go to <http://www.epa.gov/fedrgstr/EPA-AIR/2006/July/Day-11/a6092.htm>.

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### **NEBRASKA**

### **Legislative/Regulatory Activity**

**NOTICE:** With regard to any regulations, installation staff is requested to contact their respective component REC with information on mission or installation impacts, questions or comments, and an expression of interest to participate in stakeholder work group.

The 99th Nebraska Legislature, Second Session adjourned *sine die* on 13 April 2006.

## **STATE OF NEBRASKA PROPOSED RULE**

**(NEW) NE Department of Environmental Quality Proposed Regulations: Air Quality Amendments (Title 129, Chapters 6, 17, 18, 28, and Appendices II and III).** The Department is proposing amendments to Title 129 (air quality regulations) that include revisions to the emissions reporting requirements, construction permit requirements, new source performance standards, and regulations governing hazardous air pollutants. The proposal is going through internal review before sending it to the Attorney General's office. The proposed regulations are available at [http://www.deq.state.ne.us/Proposed.nsf/23e5e39594c064ee852564ae004fa010/51d87c61c61ea24a8625716b005fbd8a/\\$FILE/dirty-6-0606.pdf](http://www.deq.state.ne.us/Proposed.nsf/23e5e39594c064ee852564ae004fa010/51d87c61c61ea24a8625716b005fbd8a/$FILE/dirty-6-0606.pdf); [http://www.deq.state.ne.us/Proposed.nsf/23e5e39594c064ee852564ae004fa010/51d87c61c61ea24a8625716b005fbd8a/\\$FILE/dirty-17-0606.pdf](http://www.deq.state.ne.us/Proposed.nsf/23e5e39594c064ee852564ae004fa010/51d87c61c61ea24a8625716b005fbd8a/$FILE/dirty-17-0606.pdf);



EPA is promulgating those amendments, adding additional vapor balancing options, and making technical corrections to the final rule. The final rule amendments are effective on 28 July 2006. For more details, please go to <http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/06-6419.htm>.

**(Effective 27 July 2006) National Perchloroethylene Air Emission Standards for Dry Cleaning**

**Facilities.** EPA is promulgating revised standards to limit emissions of perchloroethylene (PCE) from existing and new dry cleaning facilities. On 22 September 1993, EPA promulgated technology-based emission standards to control emissions of PCE from dry cleaning facilities. EPA has reviewed these standards and is promulgating revisions to take into account new developments in production practices, processes, and control technologies. In addition, EPA has evaluated the remaining risk to public health and the environment following implementation of the technology-based rule and is promulgating more stringent standards for major sources in order to protect public health with an ample margin of safety. EPA is also taking this opportunity to make some technical corrections to the 1993 Dry Cleaning NESHAP. For more information, please go to <http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/06-6447.htm>.

**(Effective 17 July 2006) PM<sub>2.5</sub> De Minimis Emission Levels for General Conformity Applicability.**

EPA is taking final action to amend its regulations relating to the Clean Air Act (CAA). This action requires that Federal actions conform to the appropriate State, Tribal or Federal implementation plan for attaining clean air ("general conformity") to add de minimis emissions levels for particulate matter with an aerodynamic diameter equal or less than 2.5 microns (PM<sub>2.5</sub>) National Ambient Air Quality Standards (NAAQS) and its precursors. The final rule amendments are effective on 17 July 2006. For more information, please go to <http://www.epa.gov/fedrgstr/EPA-AIR/2006/July/Day-17/a11241.htm>.

**AEC Comment:** The Army has 21 installations directly affected by this rule since they are in PM<sub>2.5</sub> non-attainment areas. The PM<sub>2.5</sub> de minimis level should be used by installations in preparing conformity analyses and Records of Non-applicability, as appropriate. AEC and CREO can help installations determine their attainment status for PM<sub>2.5</sub> by assisting installations in evaluating impacts on a case-by-case basis. CREO's Regional Counsel has specific expertise in Air Quality and related matters. Please call (816) 389-3448 for more information or assistance.

**(Effective 14 July 2006) National Emission Standards for Hazardous Air Pollutants: Miscellaneous Organic Chemical Manufacturing.**

On 10 November 2003, EPA promulgated national emission standards for hazardous air pollutants for miscellaneous organic chemical manufacturing. Several petitions for judicial review of the final rule were filed in the United States Court of Appeals for the District of Columbia Circuit. Petitioners expressed concern with various requirements in the final rule, including applicability of specific operations and processes, the leak detection and repair requirements for connectors, criteria to define affected wastewater streams requiring control, control requirements for wastewater streams that contain only soluble hazardous air pollutants, the definition of "process condensers," and recordkeeping requirements for Group 2 batch process vents. In this action, EPA amends the final rule to address these issues and to correct inconsistencies that have been discovered during the review process. For more details, please go to <http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/06-5970.htm>

**(Effective 14 July 2006) Hazardous Waste and Used Oil: Corrections to Errors in the Code of Federal Regulations.**

EPA is correcting errors in the hazardous waste and used oil regulations, because of printing omissions, typographical errors, misspellings, citations to paragraphs and other references that have been deleted or moved to new locations without correcting the citations, and similar mistakes appearing in numerous final rules published in the Federal Register. This final rule does not create new regulatory requirements. This rule does not create new regulatory requirements rather, the rule corrects typographical errors, misspellings, punctuation mistakes, missing words, nomenclature errors, incorrect citations, and similar technical mistakes made in numerous final rules published in the Federal Register, and corrects printing omissions and other printing errors in the Federal Register and Code of Federal Regulations, in order to improve the clarity of the regulations. This final rule is effective on 14 July 2006. For more information, please go to <http://www.epa.gov/fedrgstr/EPA-WASTE/2006/July/Day-14/f5601.htm>.

**(Effective 6 July 2006) Standards of Performance for Stationary Combustion Turbines.** This action promulgates standards of performance for new stationary combustion turbines in 40 CFR part 60, subpart KKKK. The standards reflect changes in nitrogen oxides (NO<sub>x</sub>) emission control technologies and turbine design since standards for these units were originally promulgated in 40 CFR part 60, subpart GG. The NO<sub>x</sub> and sulfur dioxide (SO<sub>2</sub>) standards have been established at a level, which brings the emissions limits up to date with the performance of

current combustion turbines. The final rule is effective 6 July 2006. For details, please go to <http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/06-5945.htm>.

## **OTHER REGULATORY ACTIVITY AND GENERAL INFORMATION**

**Alex A. Beehler Nominated as Inspector General, Environmental Protection Agency.** Alex A. Beehler, Assistant, Deputy Under Secretary of Defense for Environment, Safety and Occupational Health, has been nominated by the President of the United States of America to the position of Inspector General, U.S. Environmental Protection Agency. Mr. Beehler currently serves as the principal assistant and advisor to Deputy Under Secretary Grone for all environmental, safety, and occupational health policies and programs in DoD. Those programs include cleanup at active and closing bases, compliance with environmental laws, conservation of natural and cultural resources, pollution prevention, environmental technology, fire protection, safety and explosive safety, and pest management and disease control for Defense activities worldwide. He also advises Mr. Grone on international military agreements and programs pertaining to environmental security. Mr. Beehler's nomination has been sent to the Senate for confirmation

**EPA Region 7 Administrator Sworn in as Agency's Chief Pesticide and Toxics Regulator, Acting Region 7 Administrator Appointed.** Mr. James Gulliford, Region 7 Administrator for the Environmental Protection Agency was sworn in as the Agency's Assistant Administrator for Prevention, Pesticides and Toxic Substances. He will move to EPA Headquarters in Washington, D.C., to assume his new role leading the Office of Prevention, Pesticides and Toxic Substances. That office regulates pesticides and chemicals to protect public health and the environment and promotes innovative programs to prevent pollution. Region 7 Deputy Administrator William W. Rice will serve as acting regional administrator until a new regional administrator is appointed. Mr. Rice has been with EPA since its inception in 1970 and has served as acting regional administrator on previous occasions.

**DoD Perchlorate Handbook.** The U.S. Department of Defense Environmental Data Quality Workgroup produced this handbook. It was developed to assist DoD facilities in complying with current DoD policy governing perchlorate sampling and testing activities for both environmental restoration/cleanup and compliance monitoring programs. Intended users of this document include DoD Remedial Project Managers (RPMs), contractor project managers, and field-sampling personnel (March 2006, 81 pages). For more information, please go to <http://www.dodperchlorateinfo.net/efforts/policy/documents/Perchlorate%20Handbook%20Final%2030-06.pdf>.

**Ambient Air Monitoring Reference and Equivalent Methods: Designation of Two New Reference Methods.** In accordance with regulations at 40 CFR Part 53, EPA evaluates various methods for monitoring the concentrations of those ambient air pollutants for which EPA has established National Ambient Air Quality Standards (NAAQSs) as set forth in 40 CFR part 50. Monitoring methods that are determined to meet specific requirements for adequacy are designated by the EPA as either reference methods or equivalent methods (as applicable), thereby permitting their use under 40 CFR part 58 by States and other agencies for determining attainment of the NAAQSs. EPA announces the designation of two new reference methods for measuring concentrations of PM<sub>10</sub> and NO<sub>2</sub> in the ambient air. These designations are made under the provisions of 40 CFR part 53, as amended on 18 July 1997 ([62 FR 38764](#)). For more information, please go to <http://www.epa.gov/fedrgstr/EPA-AIR/2006/July/Day-25/a11820.htm>

**EPA Expertise Now Available to Conduct Environmental Management Systems/Environmental Management Reviews (EMS/EMR) and Compliance Assistance.** Now that all Federal Facilities are expected to have their Environmental Management System (EMS) in place, EPA Region 7 EMS/EMR expert is available to conduct Environmental Management Reviews at your facility. EPA's expert will review your EMS and offer suggestions in areas that might be improved. EPA has conducted many EMS and EMR review and training sessions, and can likely suggest some enhancements or changes to your processes. EPA has allocated time and money in their budget for FY07 to come to two or three sites within Region 7 to work with you. EPA's Program emphasis for FY07 also includes providing Compliance Assistance at EPA is also looking for candidate Federal Labs and Federal sites with USTs, NPDES Wastewater and/or Stormwater issues to provide Compliance Assistance. These offers are on a first come, first serve basis. These reviews will take place sometime after 1 October 2006. For more information, please call 913-551-7618.

**EPA Announces New Permit Compliance System.** EPA marked a major milestone in its efforts to modernize the Permit Compliance System (PCS): its new Integrated Compliance Information System (ICIS) 2.0 went live on the EPA website. The release of ICIS has two components: the National Pollutant Discharge Elimination System (NPDES), and Federal Enforcement and Compliance (FE&C). The two components of ICIS 2.0 are called: ICIS-

NPDES (aka PCS Modernization) and ICIS-FE&C. All Federal Enforcement and Compliance information will now be entered into ICIS-FE&C. Thirteen States will begin to use ICIS-NPDES instead of PCS: Alaska, District of Columbia, Hawaii, Idaho, Indiana, Maryland, Massachusetts, New Hampshire, New Mexico, Puerto Rico, Rhode Island, Virgin Islands, and Utah. For these states, all NPDES permitting and enforcement information that a state or EPA would have entered into PCS must now be entered into ICIS-NPDES. EPA is now preparing to move another 16 states, tribes and territories from PCS to ICIS-NPDES. These states and territories will go live in ICIS-NPDES on 21 August 2006. These states and territories are: Connecticut, Georgia, Montana, Nebraska, Nevada, Pennsylvania, South Dakota, Saint Regis Tribe, Navajo Nation, Guam, American Samoa, Canal Zone, Mariana Islands, Gulf of Mexico, Atlantic Offshore and Trust territories. Training for these states and territories starts soon. Questions about this training can be obtained by calling (202) 564-3106. For additional information about using ICIS 2.0, contact the User Support Hotline at (202)564-7756 or by email at : ICIS@epa.gov <<mailto:ICIS@epa.gov>>. A comprehensive ICIS User Guide is available on the following website: [www.webworks.bah.com](http://www.webworks.bah.com) <<http://www.webworks.bah.com>> . To access ICIS and log into the site, visit <https://icis.epa.gov/icis>. To access ICIS and log into the site, visit <https://icis.epa.gov/icis> and provide the appropriate user ID and password.

#### **EPA Publishes Draft Guidance to Control Non-point Source Pollution from Hydromodification.**

EPA has posted draft guidance on its Web site that will provide technical assistance to states, territories, tribes, and municipalities for managing hydromodification and reducing non-point source (NPS) pollution of surface and ground water. The document describes examples of practices that can be used to reduce NPS pollution from activities associated with channelization, channel modification, dams, and streambank and shoreline erosion. Implementation of the guidance will result in increased use of scientifically sound, cost-effective hydromodification management measures, and will support states in their efforts to implement their Nonpoint Source Control Programs. The draft document is available for review/comment at <http://www.epa.gov/owow/nps/hydromod/index.htm>.

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### REGIONAL MEETINGS

**2006 ITAM Workshop.** Fort Riley will host the 15th Annual ITAM Workshop during **7-10 August 2006** in **Manhattan, Kansas**. The theme for this year's Workshop is "Sustaining Army Training in the Nation's Heartland." All meeting facilities are located on the campus of Kansas State University (K-State). General and breakout sessions will take place in the K-State Student Union. The Workshop Field Day will take place at Fort Riley on Thursday, 10 August. Morning sessions will focus on land sustainability issues. During the afternoon, attendees will choose from a variety of tours. Topics include the Fort Riley Conservation Program, LRAM Commercial Exhibitor demonstrations, the U.S. Cavalry Museum, and the General Custer House. Additionally, participants will have the opportunity to fire machine gun blanks at pop-up targets, and the opportunity to experience M1A1 Abrams and Bradley Fighting Vehicle simulators. The Thursday Evening Closing Ceremony and Dinner will be held at the K-State Alumni Center, located adjacent to the K-State Student Union. Festivities will include a catered buffet dinner, cash bar, and musical entertainment. This year's event is the final installation-hosted ITAM Workshop. For more information, please go to <https://srp.army.mil/ITAM/Workshop/UpcomingWorkshop.aspx?Areald=5>. Information for submitting an abstract for a paper can be found at <https://srp.army.mil/documents/Call%20for%20Papers%20-%202006%20ITAM,%20RTLA,%20&%20GIS%20Workshop.doc>.

**2006 Kansas Environmental Conference.** The annual conference includes information on environmental regulatory compliance and pollution prevention opportunities and will be held on **22-24 August 2006** at the Capitol Plaza Hotel / Maner Conference Center **Topeka, Kansas**. For more information please go to [http://www.kdheks.gov/sbcs/environment\\_conf.html](http://www.kdheks.gov/sbcs/environment_conf.html).

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### TRAINING COURSES AND WORKSHOPS

**USACE PROSPECT Training.** The FY06 Proponent-Sponsored Engineer Corps Training (PROSPECT) Program is now available on line at <http://pdsc.usace.army.mil>. The Purple Book, which includes the proposed scheduled training classes and sessions for FY06, is found at this location. FY06 PROSPECT is offering of the following courses:



- **Hazardous Waste Manifesting & DOT Certification.** This 36-hour course enables Corps personnel to understand the regulatory requirements of RCRA and the Hazardous Materials Transportation Act (HMTA) as it applies to the generation, transportation, and disposal of hazardous waste. Topics include RCRA waste classification, land disposal restrictions, generator requirements, manifesting requirements, and DOT requirements such as proper shipping names, packaging, labeling, marking, and placarding. Course provides DOT certification as per 49 CFR subpart H and DoD 4500.9-R, chapter 204). Course is ISEERB approved. <http://pdsc.usace.army.mil/CourseListDetail.aspx?CtrlNbr=223>.
- **Hazardous Waste Manifesting 16-Hour DOT Recertification Course.** The 16-hour manifesting refresher course is intended to provide refresher training on DOT requirements to fulfill the recurrent training requirements of 49 CFR 172, Subpart H for general awareness/familiarization training. Students who successfully complete the course will be certified as having been trained and tested to recognize and identify hazardous materials. Course provides DOT certification as per 49 CFR subpart H and DoD 4500.9-R, chapter 204). Course is ISEERB approved. <http://pdsc.usace.army.mil/CourseListDetail.aspx?CtrlNbr=429>.
- **The CERCLA/RCRA Process.** This 24-hour course trains USACE personnel involved with hazardous and toxic waste projects on military and civil works projects in the proper application of CERCLA, RCRA and other relevant environmental laws, regulations, and policies. This course is ISEERB approved. <http://pdsc.usace.army.mil/CourseListDetail.aspx?CtrlNbr=356>.

**Partners in Environmental Technology Technical Symposium & Workshop.** Sponsored by SERDP and ESTCP, this event will provide attendees with: (1) concurrent technical sessions covering the latest in environmental research results and technical innovations; (2) poster sessions featuring more than 350 technical posters; (3) exhibit booths offering information about funding opportunities in related research programs; and (4) two sessions providing a summary of SERDP and ESTCP program development and opportunities to conduct research and demonstrations. The workshop will be held in **Washington, D.C.** on **28-30 November 2006**. For more information, please go to <http://www.serdp.org/Symposium/index.cfm#symposium06>.

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## CONFERENCES AND SYMPOSIUMS

**The 25th Army Science Conference (ASC).** Sponsored by the Assistant Secretary of the Army (Acquisition, Logistics and Technology), This conference will be held at the Orange County Convention Center, **Orlando, Florida, 27-30 November 2006**. This conference is a significant milestone for the Army Science and Technology (S&T) community, as it will be 50 years since the Army has been sponsoring this biennial event to promote and showcase the Army's S&T program. The conference theme is "*Transformational Army Science and Technology - Charting the future of S&T for the Soldier.*" The conference will feature talks by prominent individuals from the U.S. and Allied governments, academia and industry - included in the list of speakers are eight Nobel Prize winners - and presentations of papers and posters judged as best among those submitted by scientists and engineers from government, industry and academia. Authors of the most outstanding papers will receive special recognition and awards. Additionally, an International Collaboration Award has been initiated for this and future conferences. The audience will include representatives from academia, industry, U.S. Government and over 30 Allied nations. For more details, please go to <http://www.asc2006.com/overview.htm>.

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**Acronyms and Abbreviations** The list of acronyms and abbreviations can be found on the AEC web site at <http://aec.army.mil/usaec/reo/creo03.html> and on DENIX at <https://www.denix.osd.mil/denix/State/Partnering/REC/rec.html> (click Information Library).

ACSIM = Assistant Chief of Staff for Installation Management  
 ADEQ = Arkansas Department of Environmental Quality  
 AEA = Atomic Energy Act of 1954  
 AEDB = Army Environmental Database  
 AFCEE = U.S. Air Force Center for Environmental Excellence  
 AFIT = Air Force Institute of Technology  
 AIMO = Associated Industries of Missouri

AMOC = Adaptive Management Oversight Committee  
 ANPR = Advance Notice of Proposed Rulemaking  
 ANSI = American National Standards Institute  
 APA = American Planning Association  
 APC&EC = Arkansas Pollution Control and Ecology Commission  
 AQCR = Air Quality Control Region  
 AQI = Air Quality Index  
 AST = aboveground storage tank  
 ASTM = American Society for Testing and Materials  
 ASTSWMO = Association of State and Territorial Solid Waste Management Officials  
 ATV = all-terrain vehicle  
 AWMA = Air & Waste Management Association  
 BAT = best available technology  
 BGEPA = Bald and Golden Eagle Protection Act  
 BIA = Bureau of Indian Affairs  
 BOR = Bureau of reclamation  
 BRAC = Base Realignment and Closure  
 CAA = Clean Air Act  
 CACO = Congressional Affairs Contact Officer  
 CADD = computer-aided design and drafting  
 CAM = compliance assurance monitoring  
 CAMU = corrective action management unit  
 CARB = California Air Resources Board  
 CBT = computer-based training  
 CCAR = Coordinating Committee for Automotive Repair  
 CCP = Comprehensive Conservation Plan  
 C&D = construction and demolition  
 CECOS = Civil Engineer Corps Officers  
 CEPPO = Chemical Emergency Preparedness and Prevention Office  
 CERCLA = Comprehensive Environmental Response, Compensation and Liability Act  
 CESQG = conditionally exempt small-quantity generator  
 CFC = chlorofluorocarbon  
 CFR = Code of Federal Regulations  
 CHPPM = U.S. Army Center for Health Promotion and Preventative Medicine  
 CINWL = commercial industrial nonhazardous waste landfill  
 CISWI = commercial and industrial solid waste incinerator  
 CO = carbon monoxide  
 CREO = Central Regional Environmental Office  
 CSR = Code of State Regulations  
 CTIC = Conservation Technology Information Center  
 CTT = closing, transferring and transferred ranges  
 CWA = Clean Water Act  
 DAC = Defense Ammunition Center  
 DBP = disinfection byproduct  
 DBPR = Disinfectants and Disinfection Byproducts Rule  
 DEI = Directorate of Environmental Integration  
 DENIX = Defense Environmental Network & Information eXchange  
 DERP = Defense Environmental Restoration Program  
 DFW = Dallas/Fort Worth  
 DNT = dinitrotoluene  
 DoD = U.S. Department of Defense  
 DOE = U.S. Department of Energy  
 DOI = U.S. Department of Interior  
 DOT = U.S. Department of Transportation  
 DRMS = Defense Reutilization and Marketing Service  
 DSMOA = Defense/State Memorandum of Agreement  
 EA = environmental assessment  
 EAC = Early Action Compact  
 ECAS = Environmental Compliance Assessment System  
 ECHO = Enforcement and Compliance History Online

ECOS = Environmental Council of the States  
 ECSR = Environmental Compliance Status Report  
 EIS = environmental impact statement  
 EMR = environmental management review  
 EMS = environmental management system  
 EO = executive order  
 EPA = U.S. Environmental Protection Agency  
 EPAS = Environmental Performance Assessment System  
 EPCRA = Emergency Planning and Community Right-to-Know Act  
 ER = environmental restoration  
 ERC = Emission Reduction Credit  
 ERTTP = Environmental Response Training Program  
 ETMD = Environmental Training and Management Division  
 EVR = Enhanced Vapor Recovery  
 FAA = Federal Aviation Administration  
 FEIS = Final Environmental Impact Statement  
 FIFRA = Federal Insecticide, Fungicide and Rodenticide Act  
 FFEO = Federal Facilities Enforcement Office  
 FM = facilities management  
 FR = Federal Register  
 FS = Feasibility Study  
 FUDS = Formerly Used Defense Sites  
 FY = fiscal year  
 GAO = General Accounting Office  
 GCP = general construction permit  
 GIS = geographic information system  
 gpd = gallons per day  
 GSA = General Services Administration  
 HAP = hazardous air pollutant  
 HAZMAT = hazardous materials  
 HAZWOPER = Hazardous Waste Operations and Emergency Response  
 HB = House Bill  
 HGA = Houston/Galveston Area  
 HJR = House Joint Resolution  
 HM = hazardous material  
 HMIRS = Hazardous Materials Information Resource System  
 HMIWI = hospital/medical/infectious waste incinerator  
 HMX = high melting point explosive  
 HQ = headquarters  
 HRVOC = highly-reactive volatile organic compounds  
 HSB = House Study Bill  
 HTRW = hazardous/toxic and radioactive waste  
 IAC = Iowa Administrative Code  
 IBR = Incorporated By Reference  
 IDNR = Iowa Department of Natural Resources  
 IDOT = Iowa Department of Transportation  
 IESWTR = Interim Enhanced Surface Water Treatment Rule  
 I&M = inspection and maintenance  
 IMI = Installation Management Institute  
 INSTEP = International Society of Technical and Environmental Professionals  
 ISEERB = Interservice Environmental Education Review Board  
 ISO = International Organization for Standardization  
 ISR = Installation Status Report  
 ITAM = Integrated Training Area Management  
 ITRC = Interstate Technology Regulatory Council  
 JRTC = Joint Readiness Training Center  
 KAR = Kansas Administrative Rules  
 KCMA = Kansas City Metropolitan Area  
 KDA = Kansas Department of Agriculture  
 KDHE = Kansas Department of Health and Environment

kW = kilowatt  
LAC = Louisiana Administrative Code  
LAMW = low-activity mixed waste  
LANL = Los Alamos National Laboratory  
LB = legislative bill  
LDEQ = Louisiana Department of Environmental Quality  
LDR = land disposal restriction  
LLRW = low level radioactive waste  
LPDES = Louisiana Pollutant Discharge Elimination System  
LPST = leaking petroleum storage tank  
LQG = large quantity generator  
LT1ESWTR = Long Term 1 Enhanced Surface Water Treatment Rule  
LT2ESWTR = Long Term 2 Enhanced Surface Water Treatment Rule  
LUC = land use control  
LUST = leaking underground storage tank  
MACT = maximum achievable control technology  
MCL = maximum contaminant level  
MCLG = maximum contaminant level goal  
MDNR = Missouri Department of Natural Resources  
MDS = minimum desirable streamflow  
MSDS = Material Safety Data Sheet  
MEG = Military Environmental Group  
MEGCs = multiple-element gas containers  
MEK = methyl ethyl ketone  
mg/L = milligram per liter  
mg/yr = megagrams per year  
MMR = Military Munitions Rule  
mph = mile per hour  
MP&M = metal products and machinery  
M2R = Military Munitions Rule  
mrem = millirem  
mrem/yr = millirem per year  
MRDLGs = maximum residual disinfectant level goals  
MS4 = municipal separate storm sewer system  
MSDS = material safety data sheet  
MSWG = Multi-State Working Group  
MSWLF = municipal solid waste landfill  
MSWTS = municipal solid waste transfer station  
MTBE = methyl tertiary butyl ether  
MVECP = Motor Vehicle and Engine Compliance Program  
MVEB = Motor Vehicle Emission Budget  
MWC = municipal waste combustion  
NAAQS = National Ambient Air Quality Standard  
NAICS = North American Industry Classification System  
NDEQ = Nebraska Department of Environmental Quality  
NDIA = National Defense Industrial Association  
NEPA = National Environmental Policy Act  
NESHAP = National Emission Standards for Hazardous Air Pollutants  
NFPA = National Fire Protection Association  
NGWA = National Ground Water Association  
NHPA = National Historic Preservation Act  
NMAC = New Mexico Administrative Code  
NMED = New Mexico Environment Department  
NMOC = non-methane organic compound  
NO<sub>x</sub> = nitrogen oxides  
NORM = naturally occurring radioactive material  
NPDES = National Pollutant Discharge Elimination System  
NRC = Nuclear Regulatory Commission  
NREO = Northern Regional Environmental Office  
NREP = National Registry of Environmental Professionals

NSP = new source performance  
 NSR = new source review  
 OAC = Oklahoma Administrative Code  
 OCLL = Office of Chief, Legislative Liaison  
 ODEQ = Oklahoma Department of Environmental Quality  
 OE = ordnance and explosives  
 OFR = Office of the Federal Register  
 OMB = Office of Management and Budget  
 OMEG = Oklahoma Military Environmental Group  
 ORVR = onboard refueling vapor recovery  
 OSHA = Occupational Safety and Health Administration  
 OSPRA = Oil Spill Prevention and Response Act  
 OSSF = on-site sewage facility  
 OSWER = Office of Solid Waste and Emergency Response  
 P2 = pollution prevention  
 PASS = Permit Application Software System  
 PAL = plant-wide applicability limitation  
 PBR = permit by rule  
 PBT = persistent bioaccumulative toxin  
 PCB = polychlorinated biphenyl  
 pCi/L = picocurie per liter  
 PEMS = Predictive Emission Monitoring Systems  
 PER = Permitting for Environmental Results  
 PHMSA = Pipeline And Hazardous Materials Safety Administration  
 P.L. = public law  
 PM = particulate matter  
 PM<sub>2.5</sub> = Fine Particulate Matter with a diameter smaller than 2.5 microns  
 POC = point of contact  
 POM = Program Objective Memorandum  
 POTW = publicly owned treatment works  
 ppb = part per billion  
 ppm = part per million  
 PRP = potentially responsible party  
 PSD = prevention of significant deterioration  
 PST = petroleum storage tank  
 PSTTF = Petroleum Storage Tank Trust Fund  
 PTE = potential to emit  
 PWS = public water system  
 RACM = reasonably available control measures  
 RACT = reasonably available control technology  
 RCRA = Resource Conservation and Recovery Act  
 RDX = Royal Demolition eXplosive  
 REC = Regional Environmental Coordinator  
 REGFORM = Regulatory Environmental Group for Missouri  
 RFG = reformulated gasoline  
 RI = remedial investigation  
 RICE = reciprocating internal combustion engine  
 ROD = record of decision  
 SAME = Society of American Military Engineers  
 SB = Senate Bill  
 SDWA = Safe Drinking Water Act  
 SDWIS = Safe Drinking Water Information System  
 SERDP = Strategic Environmental Research and Development Program  
 SIC = Standard Industrial Classification  
 SIP = State Implementation Plan  
 SM = Senate Measure  
 SO<sub>2</sub> = Sulfur dioxide  
 SPCC = Spill Prevention, Control, and Countermeasure  
 SQG = small quantity generator  
 SREO = Southern Regional Environmental Office



TAC = Texas Administrative Code  
TBD = to be determined  
TCEQ = Texas Commission on Environment Quality  
TCM = transportation control measure  
TDS = total dissolved solids  
TEFs = Toxicity equivalency factors (related to dioxins)  
TEQ = Toxicity equivalency (related to dioxins)  
TERP = Texas Emissions Reduction Plan  
TIM = Transformation of Installation Management  
TMDL = total maximum daily load  
TPDES = Texas Pollutant Discharge Elimination System  
TRI = Toxics Release Inventory  
TRI-DDS = Toxics Release Inventory – Data Delivery System  
TRRP = Texas Risk Reduction Program  
TSCA = Toxic Substances Control Act  
TSP= Total Suspended Particulate  
tpy = tons per year  
TNT = trinitrotoluene  
TXEP = Texas Environmental Partnership  
UIC = underground injection control  
UN = United Nations  
USACE = U.S. Army Corps of Engineers  
USAEC = U.S. Army Environmental Center  
U.S.C. = United States Code  
USFWS = U.S. Fish and Wildlife Service  
USGS = U.S. Geological Survey  
UST = underground storage tank  
UXO = unexploded ordnance  
VOC = volatile organic compound  
WET = whole effluent toxicity  
WMM = waste military munitions  
WQBEL = water quality-based effluent limit  
WQMP = Water Quality Management Plan  
WREO = Western Regional Environmental Office  
ug/L = microgram per liter

